OIPE

RAW SEQUENCE LISTING DATE: 09/06/2001 PATENT APPLICATION: US/09/934,249 TIME: 16:02:50

Input Set : A:\P7387001.txt

Output Set: N:\CRF3\09062001\I934249.raw

```
Does Not Comply
      4 <110> APPLICANT: Lee, Richard T.
                                                                    Corrected Diskette Needed
              Landschulz, Katherine T.
      5
              Turi, Thomas G.
      6
      7
              Thompson, John F.
      8
              Kennedy, Scott P.
     10 <120> TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF
              CARDIOVASCULAR CONDITIONS
     13 <130> FILE REFERENCE: P0738/7001/ERP/KA
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/934,249
C--> 15 <141> CURRENT FILING DATE: 2001-08-21
     15 <150> PRIOR APPLICATION NUMBER: US 60/227,159
     16 <151> PRIOR FILING DATE: 2000-08-22
     18 <160> NUMBER OF SEQ ID NOS: 17
     20 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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ERRORED SEQUENCES

903 <210> SEQ ID NO: 16

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904 <211> LENGTH: 8093
905 <212> TYPE: DNA
906 <213> ORGANISM: Homo Sapiens
908 <220> FEATURE:
909 <221> NAME/KEY: unsure
910 <222> LOCATION: (6477)...(6477)
911 <223> OTHER INFORMATION: c or t/u
913 <221> NAME/KEY: unsure
914 <222> LOCATION: (6837)...(6837)
915 <223> OTHER INFORMATION: a or c
917 <400> SEQUENCE: 16
                                                                            60
918 ctcagctccc tgtggtgggg gatggcagag gcttcccgct ccccgcagct ggtttgcaca
919 gcctcccgac tgtgccgtgg tgtctccttc cctaaagtgg gacagtcgtt tctgtgtcct
                                                                           120
                                                                           180
920 gctggcctct gaggaacaga cgtgtgtgag aggccttcag ggcctgatgg ctggggtggt
921 gacagtgcct ggagaatggg tggggactgg aggggccagg tggctaacca ctctcctctt
                                                                           240
                                                                           300
922 ccatggcagc ggagctggag ttcgcccaaa tcatcatcat cgtcgtggtg gtcacggtga
923 tggtggtggt catcgtctgc ctgctgaacc actacaaagt ctccacgcgg tccttcatca
                                                                           360
924 accqcccgaa ccaqaqccgg aggcgggagg acgggctgcc gcaggaaggg tgcctgtggc
925 cttcagacag cgccgcaccg cggctgggcg cctcggagat catgcatgcc ccgcggtcca
                                                                           480
                                                                           540
926 gggacaggtt cacagegeeg teetteatee agagggateg etteageege ttecageeea
927 cctaccccta tgtgcagcac gagattgatc ttcctcccac catctccctg tccgacggtg
                                                                           600
                                                                           660
928 aagagccacc teettaceag gggeeetgea eeetgeaget eegggaeeet gaacageaga
                                                                           720
929 tqqaactcaa ccqaqaqtcc qtgagggccc cacccaaccg aaccatattt gacagtgatt
                                                                           780
930 taataqacat tqctatqtat agcqggggtc catqcccacc cagcagcaac tcgggcatca
931 gtgcaagcac ctgcagcagt aacgggagga tggaggggcc accccccaca tacagcgagg
                                                                           840
932 tgatgggcca ccacccaggc gcctctttcc tccatcacca gcgcagcaac gcacacaggg
                                                                           900
                                                                           960
933 gcagcagact gcagtttcag cagaacaatg cagagagcac aatagtaccc atcaaaggca
934 aagataggaa gcctgggaac ctggtctgat tccttccaac gtgcacttca gctggagaaa
                                                                          1020
```

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935	gaaaccaaga	agggaagcgg	ccgctgggcc	cctcctgcgc	acagtgttgt	tcagtttcac	1080
936	atggtacaaa	taagtaaaac	caaatgagca	aacacggtct	ttgtttctga	ttccttttag	1140
937	gggaattgca	tgcaaactag	actgaaatga	tacaaacttc	catctggtct	gaccgcaaac	1200
938			ggttgggatg				1260
939	gatgctttga	agataccatg	aaataaaacc	cacagaggta	tttgatgtat	ttaattgtga	1320
940	aaggagactt	·tgcagataaa	tgaggccaga	atggcatgtt	ttataattaa	ctgaataaag	1380
941	aaggaagcat	tattatatat	tattgtgggg	aagaaccagc	cagttcgctt	tttctcctaa	1440
942	ggtgtggact	tttattttgt	tttaaaaata	tgaatcaaaa	ttcctgtgtt	gtgtgccaag	1500
943	gtataaagtg	gagaagttag	atgagtgcaa	ggagctcctt	tgtgttgtga	tgatgtgttt	1560
944	taaaagttgc	actatcttaa	tgttgaaaat	atttacaagg	gaactgtttt	acgtgaagtt.	1620
			tgtggattgt				1680
			agatatttgg				1740
947	taaatcaaaa	aagtcattat	tgttgcagga	gtttgcatca	aatagcagtg	catcgctgaa	1800
948	gcttttggag	acttttggat	ggaagataag	atagggaaga	ttaagttcca	gcatttctga	1860
949	cttgttattt	tgagttactc	tgctactctt	aggctgcata	gtttatgaga	aaatgaacac	1920
950	atgcatttat	ggatccagta	tcatgcagtg	ctgccctcat	cctccagcag	tgcaatttct	1980
951	tcagtaattt	agatttttt	cactatagca	tgaaatatat	tcaaatacat	accttatttt	2040
			tgcaaggtgg				2100
			ctctccccct				2160
			ctcccagcag				2220
			ggtggttttc				2280
956			gatcgtggta				2340
957			aaaggaatgc				2400
			ccaggccagt				2460
			gtgactgaag				2520
			aattttaaat				2580
			caatgaaaaa				2640
			caacacgttt				2700
			tggagggtgg				2760
			gactcccacc				2820
			ggtctcgaag				2880
			aaccccaaga				2940
			tcactggttt				3000
			cacagtaaca				3060
969	gagaggaaaa	acacaggcac	cagttgtcag	ctcatgctta	caacctgtgt	ggaagtatat	3120
			aggttctgag				3180
			acaccagctc				3240
			acaccctgaa				3300
			aggagcccgt				3360
			tgtgcccaca				3420
975	tttcagttct	cacctgcagt	tttggtgaag	caggagatgc	accccacagc	tctagctctc	3480
			cttctctacc				3540
			tgagtatatg				3600
			tacctttaat				3660
			tttgttaaat				3720
980	atgactttga	aaggtcttcg	aggctggggc	tctgtaatga	attagtttaa	aagccaaggt	3780
			aatttccctt				3840
			ctgacctgtt				3900
983	gttgaaagag	tagcgactgg	gaagatacaa	cttacacagt	ggggcctatt	gttctttcaa	3960

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984 gaaccetttt tttagettat agaacce	atg ggtccagttt.agtaacgagt gatttaggca 4020
985 atcaatgata ggtttataat cttagat	tat tccagcaaag tgtggattgc attgttagga 4080
986 agaacatttg gtgggaatga acactcc	tgg gcataccgct gacttttgtc ccttgttccc 4140
987 ggtgtaggag acccaaggca tcttgaa	tcc catctataag aacacaatct tccagcatac 4200
988 gtttgctttt tcagaaactc tagcatt	ctc tttaaatact gacgcaatcc ttaatggaaa 4260
989 agagatttca tgaagcaaat tatgtat	ttc aatagttctt ctatttttag tgtccaaaat 4320
990 ttactaatac agaagcttga caagcat	gtc ctcaccctcc ccaccacata aacacatgga 4380
991 cacacacca agccacaaga aatccca	aga gagcagaagc gaatttttaa aagatttatc 4440
992 gtgaggactg catttccatt cactaat	ttt ggctcaaact tatgaggcag gaaatagggg 4500
993 ccaacagtaa atgggggagg cctcctg	aca ccagcagagg aattttgtac ccaggcgagg 4560
	ttg atctctttca cctttatttc atcttcataa 4620
995 gaatgagaaa ggctcaaaag gaagcac	ttt tagaaatctt ctctgaccta gaagaatcca 4680
996 tecaaateee tgeetteete tetgaae	caa cagttccctt ctctgacagg gggccatcct 4740
997 ctatcttcca tccagcggct cttcctt	tta ggaaggetet ggtgeagage aetteaaata 4800
	gta gagagacace eggeacecag teegaageec 4860
	ggt cactggcagg ctcagagaca ttctactgtg 4920
	agec atgactggat gegeeceat eteggggget 4980
	tgct acttagaatg gcaacattaa ctttgtgtac 5040
	gctc ggcagtgtat gaaagaaaaa actgggaaag 5100
	ttgc ttgcttaagt gattaaagcc agtgcttgga 5160
	toca cagootgood titgototoo tgotoacact 5220
	actg aggtgaaagg acaattgaat gacaggtggg 5280
	gcga ggaaagtcac aaatttaaaa atgttgcttc 5340
	cage agetgegtgg cttacegtte gecattteca 5400
	agat cacagagatg tgaacagaca atggaaagca 5460
	tttt aggaaccaat atttcagcat tctttattac 5520
	tcaa gtttatgtta ctgccagggt cagacagtca 5580
	tgct tctcgaactg gatgcattag gaagctgctg 5640
	aaag caatgtette etteateett ttettette 5700
	atgc gggagagggt tagagctata gagattatat 5760
	atgt agatataccc ctatcatgtc agagatctgc 5820
	cctc atgttctgag ttcagcagat ataggaacca 5880
	ccca cctttgttgt gcctcactta aaatggtgct 5940
	gttt ttatttgtaa ggtgctgtat ataagttgaa . 6000
	gggt agaacaaaaa gttgttaata ctgtaatata 6060
	gaaa tggcatagaa tttgtgaatg cctatgtgct 6120
	aaat ggatgcatac agattaaagt ctatgtagtt 6180
	taac acaagagaaa gaagtgtgaa caaacaagca 6240
	caat ggaaagttgc atctttgctg tgaaaacact 6300
	ccac agettittgg ttgccactag acgettetta 6360
	tgga ccagtgttag ttatatttga gtcagaaaaa 6420
	ctcc tgcatctatc tcctgctgta gcatcaygaa 6480
	catt titgttgttg cagaaactgt gtcagaggaa 6540
	cttt gttcagctcc agaggcatct gtgaccgtct 6600
	cttt tacaaactga agctgtggag ccaatgaagt 6660
	acct caggaaaaac aaatacactt acaagaagac 6720
	atgg gttagcacta gaagagactt ggctgtcagc 6780
	ttcc cattcatgtc ccatcataat acggacmcaa 6840
	taga aattacgttt tggattgtat attgttacat 6900

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1033	ctctcttcca	gcttagtttt	tagtgtctga	ttgtgacctc	tgcatttatc	ttçaaatacc	6960
1034	ctaattttaa	aacaaaagaa	caagaaaagt	ttataacacc	atgttcacta	aaaccacggt	7020
1035	tgaatcttgg	gtgtgggcat	cctttcgagt	gttgtccata	agagcagttc	gtggaatttt	7080
1036	gcccatctga	cccatattat	cagcttattc	tgccaccaga	gtagagtcta	ataaattcca	7140
1037	aagtttttat	ttgctccatg	gtgtatgttc	tgactttgaa	aatgtcagat	tctataatca	7200
1038	tacccctaac	atccaggaga	caaatgacag	attatcttta	aactgaaatt	gactctacaa	7260
1039	tgcaaccctt	aatgctgaat	ggattaaaaa	agtcagccct	tttagtatct	gtttgaaagg	7320
1040	gccgtaaaaa	gttgacactt	ttgttgttgt	ggatcctgcg	tgtctagacc	cacgtgttgt	7380
1041	ttccatcgta	tactgtaggg	tgcacccctt	gggattcatc	attaagaact	gaggctcact	7440
1042	gttgtcagaa	acaaagctcc	caccccccag	gttcaacctt	gtgggagaac	tgttgagcat	7500
1043	gagaatgttc	tagactcaga	ggtactaaaa	tttgttacca	catcattgct	tcctttctac	7560
1044	aggacgaatt	gaggcttaaa	ctttactgtt	aatgatactg	gttcatttta	atgtgcttgt	7620
1045	tggtatgttg	ctatttttca	tttcatagct	ttcaaaaatc	atgctaattg	tatacttgtc	7680
1046	tagtttaagg	ctattttaaa	atatgtacaa	tactattcac	agcatttagt	tcgtttaatt	7740
1047	tttattataa	agcaatctac	taaaaaagta	caactgtatt	tgaacttttc	aatagttgtt	7800
1048	tgtgagctat	gataatcaaa	agtcattaaa	gtcttttta	acaaacattc	gtgcttactt	7860
1049	ttcaacataa	ttcccagtta	tatacagaaa	aagatttcca	cctgtcacgt	atctgcctct	7920

E--> 1050

tttacctgag caatggtgta gttcttagac ctaaggtctg taattgcaat acttttaaag

1980aaagatgttg ctctaagtgc

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/934,249

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TIME: 16:02:51

Input Set : A:\P7387001.txt

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L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

.L:885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

L:1050 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:16

L:1050 M:252 E: No. of Seq. differs, <211>LENGTH:Input:8093 Found:7920 SEQ:16

L:1103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17

L:1104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17

L:1109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17